

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







M55 Module Polymer Hermetic Seal



Overview

KEMET's M550 and M551 Modular Series are manufactured by placing T550 or T551 Polymer Hermetic Sealed Capacitors (PHS) in parallel. The T550 and T551 Series are manufactured utilizing KEMET's exclusive F-Tech process and are 100% tested per KEMET's patented Simulated Breakdown Screening process. This configuration provides high and stable capacitance (up to 8,200 μF), extremely low ESR (down to 15 m Ω) and extremely low and stable leakage current, all in a mechanically robust package.

The M55 Modules are available in two temperature offerings: 105°C (M550 Series) and 125°C (M551 Series). With reduced ESR and enhanced capacitance retention at higher frequencies and low temperatures, KEMET modules provide the highest total capacitance and the lowest total cost of ownership for high power applications.

Benefits

- Extremely low and stable ESR (as low as 15 mΩ)
- · Voltage Ratings from 6 to 180 VDC
- · High frequency capacitance retention
- · Low temperature capacitance stability
- High ripple current capability (17,500 mA_{rms})
- · High inrush current capability
- Excellent power dissipation capability
- · Stackable packaging
- · Mechanically robust assembly and epoxy housing
- · Operates at up to 80% rated voltage
- · Customized solutions available
- · RoHS compliant terminations available

Applications

Designed for mission critical applications requiring high power, filtering, hold-up and current pulse generation.

Module 1



Module 2





Ordering Information

M	550	В	108	M	060	Α	Α
Capacitor Class	Series	Case Size	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Product Level	Termination Finish
M = Module	550= Capacitor Series (PHS 105°C) 551= Capacitor Series (PHS 125°C)	В	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	006 = 6 008 = 8 010 = 10 015 = 15 025 = 25 030 = 30 040 = 40 050 = 50 060 = 60 075 = 75 100 = 100 180 = 180	A = N/A B* = DLA 13030 standard reliability T* = DLA 13030 high reliability	A = 100% silver (Ag) T = 100% tin (Sn) plated H = Tin/lead (SnPb) solder coated (5% Pb minimum) S = Solder coated (60% Sn, 40% Pb) G = 100% gold (Au)

^{*} Only available on DLA discrete part numbers. Refer to part number table for details.

Performance Characteristics

Item	Performance Characteristics
Operating Temperature	-55°C to 105°C/125°C*
Rated Capacitance Range	60 μF to 8,200 μF at 120 Hz/25°C
Capacitance Tolerance	K Tolerance (10%), M Tolerance (20%)
Rated Voltage Range	6 – 180 V
DF (120 Hz at 25°C)	Refer to Part Number Electrical Specification Table
ESR (100 kHz at 25°C)	Refer to Part Number Electrical Specification Table
Leakage Current	Refer to Part Number Electrical Specification Table

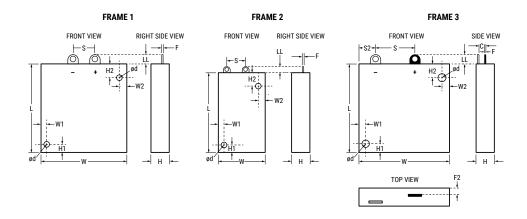
^{*} Refer to the part number specification table.



Qualification

Test Performed	Method Reference	Test Conditions					
	Reliability and Environmental Tests						
AC Ripple Life at 85°C, 0.67 V _r	MIL-PRF-39006	85°C, 40 kHz ripple current, 2,000 hours					
Thermal Shock	MIL-PRF-39006	Condition A, -55°C to +105°C 5 cycles					
Temperature Stability MIL-PRF-39006		Extreme temperature exposure at a succession of continuous steps at $+25^{\circ}$ C, -55° C, $+25^{\circ}$ C, $+85^{\circ}$ C, $+105$, $+25^{\circ}$ C					
Physical, Mech		anical and Process Tests					
Mechanical Shock	KEMET Custom Test	Condition I					
Vibration High Frequency MIL-PRF-39006		Method 204, Test condition D, 20 g peak					

Dimensions - Millimeters (Inches)



	Dimensions mm (In)											
Frame Size	±0.38 (0.015)	W ±0.38 (0.015)	H ±0.20 (0.008)	S ref	LL ± 0.1 (0.004)	F ref	H1 ± 0.1 (0.004)	W1 ± 0.1 (0.004)	H2 ± 0.1 (0.004)	W2 ± 0.1 (0.004)	d ref	Weight per module (g)
1	52.1 (2.05)	50.6 (1.99)	11.1 (0.44)	12.71 (0.50)	5.6 (0.22)	0.81 (0.03)	4.5 (0.18)	3.2 (0.13)	8.2 (0.32)	4.4 (0.17)	3.2 (0.13)	80
2	48.4 (1.90)	28.2 (1.11)	11.1 (0.44)	11.50 (0.45)	3.2 (0.13)	0.81 (0.03)	4.5 (0.18)	3.2 (0.13)	8.2 (0.32)	4.4 (0.17)	3.2 (0.13)	50



Table 1 - Ratings & Part Number Reference

6	Rated Voltage (V) 85°C	Rated Capacitance (µF)	Frame Size	KEMET Module Part Number	DC Leakage µA at 25°C max/5min	DF% at 25°C 120 Hz Max	Maximum ESR mΩ at 25°C 100 kHz	Ripple Current mArms at 85°C/40 kHz	Maximum Operating Temperature (°C)
6		700		M550B707(1)006A(3)	32				105
6									125
6 8200 1 MS50822(1)006A(3) 369 5 15 17500 10 6 8 8 1100 2 MS50818(1)006A(3) 66 5 40 7550 10 8 8 1100 2 MS50818(1)008A(3) 66 5 40 7550 10 8 8 1100 2 MS50818(1)008A(3) 66 5 40 7550 10 8 8 3400 2 MS51818(1)008A(3) 66 5 40 7550 10 8 8 3400 2 MS51818(1)008A(3) 204 5 30 8750 10 8 8 6800 1 MS5084(1)008A(3) 204 5 30 8750 10 10 10 10 10 10 10 10 10 10 10 10 10	*			` ' ' ' '		_			
8									105
8			•	. , , ,					125
8 3400 2 MS50B348(1)008A(3) 204 5 30 8750 12 8 6600 1 MS50B688(1)008A(3) 408 5 15 17500 10 10 500 2 MS50B688(1)008A(3) 408 5 15 17500 12 11 500 2 MS50B688(1)008A(3) 38 5 5 50 7000 12 11 0 500 2 MS50B6807(1)010A(3) 38 5 5 50 7000 12 11 0 900 2 MS50B807(1)010A(3) 68 5 40 7900 10 11 0 900 2 MS50B807(1)010A(3) 68 5 40 7900 12 11 0 900 2 MS50B28(1)010A(3) 210 5 30 8750 12 11 0 2200 2 MS50B28(1)010A(3) 210 5 30 8750 12 11 0 2200 2 MS50B28(1)010A(3) 210 5 30 8750 12 11 0 5600 1 MS50B68(1)010A(3) 420 5 15 17500 10 10 5600 1 MS50B68(1)010A(3) 420 5 15 17500 12 15 350 2 MS50B357(1)015A(3) 40 5 50 7000 12 15 350 2 MS50B357(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B856(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B857(1)015A(3) 40 5 50 7000 12 15 600 2 MS50B807(1)015A(3) 68 5 40 7900 12 15 600 2 MS50B807(1)015A(3) 68 5 50 7000 12 15 600 2 MS50B807(1)015A(3) 40 5 50 7000 12 15 7000 1 MS50B807(1)015A(3) 40 7 7				` ' ' ' '					105
8	8	1100	2		66			!	125
8								!	105
B				. , , , ,		-			125
10				` ' ' ' '		_			
10				. , , , ,					105
10				` ' ' ' '		_			125
10	10	900	2	` ' ' '		5	40	7900	105
10				` ' ' '				!	125
10				` ' ' ' '				!	105
10								!	125
15								!	125
15			-	` ' ' '		-			105
15				` ' ' '		5			125
15	15	600	2	M550B607(1)015A(3)	68	5	40	7900	105
15 2000 2 M551B208(1)015A(3) 225 5 30 8750 12 15 3900 1 M550B398(1)015A(3) 439 5 15 17500 10 15 3900 1 M551B398(1)015A(3) 439 5 15 17500 12 25 250 2 M550B257(1)025A(3) 47 5 50 6375 10 25 250 2 M550B257(1)025A(3) 47 5 50 6375 12 25 250 2 M550B257(1)025A(3) 47 5 50 6375 12 25 500 2 M550B257(1)025A(3) 94 5 60 6000 10 25 500 2 M550B257(1)025A(3) 94 5 60 6000 12 25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 12 25 1000 1 M55				` ' ' '					125
15 3900 1 M550B398(1)015A(3) 439 5 15 17500 10 15 3900 1 M551B398(1)015A(3) 439 5 15 17500 12 25 250 2 M550B257(1)025A(3) 47 5 50 6375 10 25 250 2 M551B257(1)025A(3) 47 5 50 6375 12 25 500 2 M550B507(1)025(2)(3) * 94 5 60 6000 10 25 500 2 M550B507(1)025(2)(3) * 94 5 60 6000 10 25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 10 25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 10 25 1000 1 M550B108(1)025A(3) 188 5 30 12000 12 30 200 2				` ' ` '					105
15 3900 1 M551B398(1)015A(3) 439 5 15 17500 12 25 250 2 M550B257(1)025A(3) 47 5 50 6375 10 25 250 2 M551B257(1)025A(3) 47 5 50 6375 12 25 500 2 M550B507(1)025(2)(3) * 94 5 60 6000 10 25 500 2 M551B507(1)025(2)(3) * 94 5 60 6000 10 25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 10 25 1000 1 M550B108(1)025A(3) 188 5 30 12000 12 30 200 2 M550B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B207(1)030A(3) 77 5 50 6375 12 30 340 2 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>1</td><td>•</td></t<>			1					1	•
25			1			_		1	125
25				` ' ' '				1	105
25 500 2 M551B507(1)025(2)(3) * 94 5 60 6000 12 25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 10 25 1000 1 M551B108(1)025A(3) 188 5 30 12000 12 30 200 2 M550B207(1)030A(3) 45 5 50 6375 10 30 200 2 M551B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B347(1)030A(3) 77 5 50 7000 10 30 340 2 M551B347(1)030A(3) 77 5 50 7000 12 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M						-		6375	125
25 1000 1 M550B108(1)025(2)(3) * 188 5 30 12000 10 25 1000 1 M551B108(1)025A(3) 188 5 30 12000 12 30 200 2 M550B207(1)030A(3) 45 5 50 6375 10 30 200 2 M551B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B347(1)030A(3) 77 5 50 7000 10 30 340 2 M551B347(1)030A(3) 77 5 50 7000 10 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2						~			105
25 1000 1 M551B108(1)025A(3) 188 5 30 12000 12 30 200 2 M550B207(1)030A(3) 45 5 50 6375 10 30 200 2 M551B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B347(1)030A(3) 77 5 50 7000 10 30 340 2 M551B347(1)030A(3) 77 5 50 7000 12 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3)* 150 5 50 6750 12 40 600 2 M551B6			2	M551B507(1)025(2)(3) *		~			125
30 200 2 M550B207(1)030A(3) 45 5 50 6375 10 30 200 2 M551B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B347(1)030A(3) 77 5 50 7000 10 30 340 2 M551B347(1)030A(3) 77 5 50 7000 12 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3)* 150 5 50 6750 10 40 600 2 M551B607(1)040(2)(3)* 180 5 40 6750 12 40 1000 1 M550						~			
30 200 2 M551B207(1)030A(3) 45 5 50 6375 12 30 340 2 M550B347(1)030A(3) 77 5 50 7000 10 30 340 2 M551B347(1)030A(3) 77 5 50 7000 12 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3)* 150 5 50 6750 10 40 500 2 M551B507(1)040(2)(3)* 150 5 50 6750 12 40 600 2 M551B607(1)040(2)(3)* 180 5 40 6750 12 40 600 2 M551B607(1)040(2)(3)* 180 5 40 6750 12 40 1000 1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>105</td></t<>									105
30 340 2 M551B347(1)030A(3) 77 5 50 7000 12 30 680 1 M550B687(1)030A(3) 153 5 25 14000 10 30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3) * 150 5 50 6750 10 40 500 2 M550B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040(3) 300 5 25 13500 12				. , , , ,					125
30 680 1 M5508687(1)030A(3) 153 5 25 14000 10 30 680 1 M5518687(1)030A(3) 153 5 25 14000 12 40 500 2 M5508507(1)040(2)(3) * 150 5 50 6750 10 40 500 2 M551B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040(3) 300 5 25 13500 12	30	340		M550B347(1)030A(3)	77		50	7000	105
30 680 1 M551B687(1)030A(3) 153 5 25 14000 12 40 500 2 M550B507(1)040(2)(3) * 150 5 50 6750 10 40 500 2 M551B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040(3) 300 5 25 13500 12			1	` ' ' ' '				1	125
40 500 2 M550B507(1)040(2)(3) * 150 5 50 6750 10 40 500 2 M551B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040(3) 300 5 25 13500 12				` ' ' ' '		_			105
40 500 2 M551B507(1)040(2)(3) * 150 5 50 6750 12 40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040A(3) 300 5 25 13500 12									
40 600 2 M550B607(1)040(2)(3) * 180 5 40 6750 10 40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040A(3) 300 5 25 13500 12						_			125
40 600 2 M551B607(1)040(2)(3) * 180 5 40 6750 12 40 1000 1 M550B108(1)040(2)(3) * 300 5 25 13500 10 40 1000 1 M551B108(1)040A(3) 300 5 25 13500 12									105
40 1000 1 M551B108(1)040A(3) 300 5 25 13500 12			2	M551B607(1)040(2)(3) *		5	40		125
									105
40 1200 1 M550B128(1)040(2)(3)* 360 5 20 15100 10									125
			•						105 125
									105
									125
									105
50 240 2 M551B247(1)050A(3) 90 5 50 6750 12	50				90		50		125
									105
				M551B507(1)050(2)(3) *					125 105

⁽¹⁾ To complete KEMET part number, insert M for $\pm 20\%$ or K for $\pm 10\%$. Designates capacitance tolerance.

⁽²⁾ To complete KEMET part number, insert B = standard reliability, or T = high reliability. See Ordering Information table for details.

⁽³⁾ To complete KEMET part number, insert T = 100% matte tin (Sn) plated, H = standard solder coated (SnPb 5% Pb minimum), S = 60% tin (Sn) 40% lead (Pb), G = 100% gold (Au), A = 100% silver (Ag). Designates termination finish.



Table 1 - Ratings & Part Number Reference cont'd

Rated Voltage (V) 85°C	Rated Capacitance (µF)	Frame Size	KEMET Module Part Number	DC Leakage µA at 25°C max/5min	DF% at 25°C 120 Hz Max	Maximum ESR mΩ at 25°C 100 kHz	Ripple Current mArms at 85°C/40 kHz	Maximum Operating Temperature (°C)
50	600	2	M551B607(1)050(2)(3) *	225	5	30	8750	125
50	1000	1	M550B108(1)050(2)(3) *		5	20	14500	105
50	1000	1	M551B108(1)050A(3)	375	5	20	14500	125
50	1200	1	M550B128(1)050(2)(3) *	450	5	15	17500	105
50	1200	1	M551B128(1)050A(3)	450	5	15	17500	125
60	100	2	M550B107(1)060A(3)	45	5	60	5875	105
60	100	2	M551B107(1)060A(3)	45	5	60	5875	125
60	500	2	M550B507(1)060A(3)	225	5	50	8300	105
60	500	2	M551B507(1)060A(3)	225	5	50	8300	125
60	1000	1	M550B108(1)060(2)(3) *	450	5	25	16600	105
60	1000	1	M551B108(1)060A(3)	450	5	25	16600	125
75	370	2	M550B377(1)075A(3)	208	5	40	7900	105
75	750	1	M550B757(1)075(2)(3) *	422	5	20	15800	105
100	120	2	M550B127(1)100A(3)	90	5	60	6375	105
100	250	11	M550B257(1)100(2)(3) *	188	5	30	12750	105
108	250	3	M550B257(1)108(2)(3)	350	5	50	8300	105
108	250	3	M551B257(1)108(2)(3)	350	5	50	8300	125
135	180	3	M550B187(1)135(2)(3)	302	5	50	7900	105
180	60	3	M550B606(1)180(2)(3)	141	5	80	6000	105

⁽¹⁾ To complete KEMET part number, insert M for ±20% or K for ±10%. Designates capacitance tolerance.

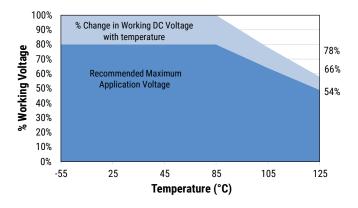
⁽²⁾ To complete KEMET part number, insert B = standard reliability, or T = high reliability. See Ordering Information table for details.

⁽³⁾ To complete KEMET part number, insert T = 100% matte tin (Sn) plated, H = standard solder coated (SnPb 5% Pb minimum), S = 60% tin (Sn) 40% lead (Pb), G = 100% gold (Au), A = 100% silver (Ag). Designates termination finish.



Recommended Voltage Derating Guidelines

	-55°C to 105°C	105°C to 125°C
% Change in Working DC Voltage with Temperature	78% of $V_{\scriptscriptstyle R}$	66% of V _R
Recommended Maximum Application Voltage (As % of Rated Voltage)	63% of V _R	54% of V _R



Ripple Current/Ripple Voltage

Permissible AC ripple voltage and current are related to equivalent series resistance (ESR) and the power dissipation capabilities of the device. Permissible AC ripple voltage that may be applied is limited by two criteria:

- 1. The positive peak AC voltage plus the DC bias voltage, if any, must not exceed the DC voltage rating of the capacitor.
- 2. The negative peak AC voltage in combination with bias voltage, if any, must not exceed the allowable limits specified for reverse voltage.

The maximum power dissipation by case size can be determined using the below left table. The maximum power dissipation rating stated in the table must be reduced with increasing environmental operating temperatures. Refer to the below right table for temperature compensation requirements.

C	ase Code	Maximum Power Dissipation (P _{max}) mWatts at 25°C with +60°C Rise
KEMET	MIL-PRF-39006/22/ 25/30/31 Case Size	
В	T2	715

Temperature Compensation Multipliers for Maximum Power Dissipation (P _{max})					
T ≤ 45°C	45°C < T ≤ 85°C	85°C < T ≤ 125°C			
1.00	0.70	0.10			

T= Environmental Temperature

Using the P_{max} of the device, the maximum allowable rms ripple current or voltage may be determined.

$$I(max) = \sqrt{P_{max}/R}$$

$$E(max) = Z \sqrt{P_{max}/R}$$

I = rms ripple current (amperes)

E = rms ripple voltage (volts)

 P_{max} = maximum power dissipation (watts)

R = ESR at specified frequency (ohms)

Z = Impedance at specified frequency (ohms)

The maximum power dissipation rating must be reduced with increasing environmental operating temperatures. Refer to the Temperature Compensation Multiplier table for details.



Reverse Voltage

Solid tantalum polymer capacitors are polar devices and may be permanently damaged or destroyed if connected with the wrong polarity. A small reverse voltage is permissible for time periods per the table at right. KEMET can offer lower capacitance in this voltage with higher reverse voltage capability. In addition, we continue to improve our capability for this characteristic.

Temperature	Permissible Reverse Voltage
25°C	1 V for 8 hours Maximum
70°C	1 V for 2 hours Maximum

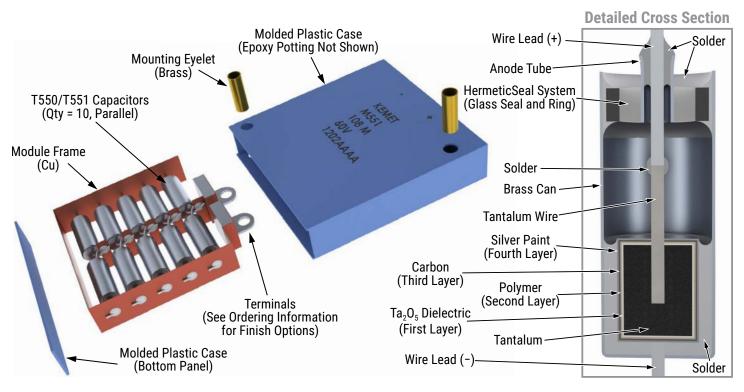
Mounting

The M550 and M551 Modular Series are suitable for stacking to the board. The use of a heat sink is recommended. These products are not suitable for reflow soldering. For manual-soldering process with soldering iron, the maximum recommended temperature is 350°C for no more than 3 seconds. Care should be taken to avoid contact of the soldering iron to the epoxy housing. The iron should be used to heat the solder pad, applying solder between the pad and the terminal of the module, until reflow occurs.

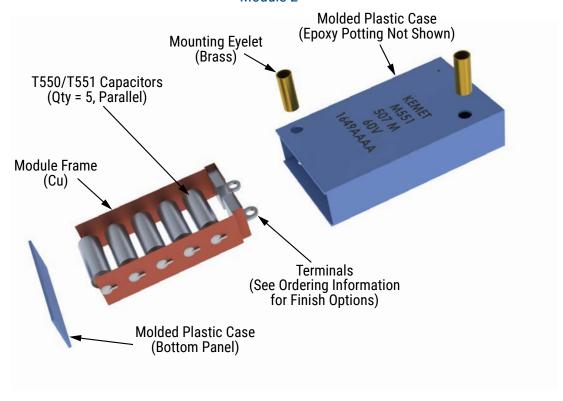


Construction

Module 1

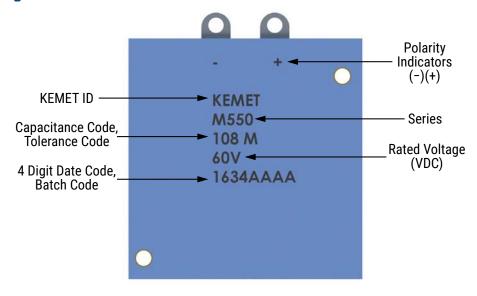


Module 2





Capacitor Marking



Storage

Polymer Hermetic Seal Modules should be stored in normal working environments. KEMET recommends that maximum storage temperature not exceed 40°C and maximum storage humidity not exceed 90% RH. For optimal solderability, module stock should be used promptly, preferably within three years of receipt.

Packaging

Modules shall be packaged in carton boxes. Packaging methods and materials used shall prevent degradation of physical and mechanical characteristics. MSL 1

Series	Carton Box Qty
M55	10 max



KEMET Electronic Corporation Sales Offices

For a complete list of our global sales offices, please visit www.kemet.com/sales.

Disclaimer

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed.

All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on KEMET Electronics Corporation's ("KEMET") knowledge of typical operating conditions for such applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by KEMET with reference to the use of KEMET's products is given gratis, and KEMET assumes no obligation or liability for the advice given or results obtained.

Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicted or that other measures may not be required.